# TA-KMSW500

# **SERVICE MANUAL**

Ver. 1.3 2009.11

E Model Australian Model Canadian Model



TA-KMSW500 is the amplifier section in HT-DDW5500/DDW7500/DDW8500.

#### **SPECIFICATIONS**

#### • Power amplifier (TA-KMSW500)

RMS output (6 ohms, 80 Hz, THD 10%)

200 W per channel <sup>1)</sup> 185 W per channel <sup>2)</sup>

Input LINE IN (input pin jacks)

1) Measured under the following conditions:

| Area code        | Power requirements |
|------------------|--------------------|
| E51, SP, SAF, MY | 240 V AC, 50 Hz    |
| EA               | 127 V AC, 60 Hz    |
| AR, AUS, TH      | 230 V AC, 50 Hz    |
| CND              | 120 V AC, 60 Hz    |

<sup>&</sup>lt;sup>2)</sup>Measured under the following conditions:

| Area code | Power requirements |
|-----------|--------------------|
| AR, TH    | 220 V AC, 50 Hz    |

Design and specifications are subject to change without notice.

#### Abbreviation

AR : Argentina model AUS : Australian model EA : Saudi Arabia model

E51 : Chilean and Peruvian models
MY : Malaysia model

MY : Malaysia model SAF : South African model SP : Singapore model CND : Canadian model TH : Thai model

**POWER AMPLIFIER** 



#### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

#### **UNLEADED SOLDER**

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

#### : LEAD FREE MARK

Unleaded solder has the following characteristics.

• Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350 °C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

Usable with ordinary solder
 It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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#### SAFETY-RELATED COMPONENT WARNING!

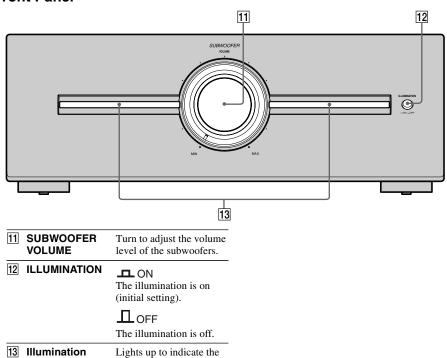
COMPONENTS IDENTIFIED BY MARK  $\triangle$  OR DOTTED LINE WITH MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

# SECTION 1 GENERAL

This section is extracted from instruction manual.

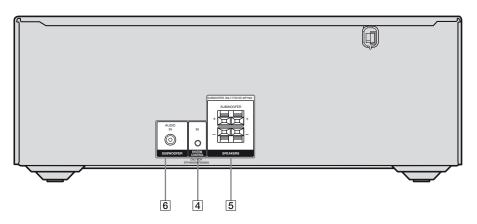
#### LOCATION OF CONTROLS

#### **Front Panel**



#### **Rear Panel**

indicator



### 4 SYSTEM CONTROL INPUT/OUTPUT section



SYSTEM CONTROL OUT jack Connects to the power amplifier (page 18).

subwoofer output level.



SYSTEM Connects to the CONTROL IN receiver (page 18). jack

#### **5 SPEAKERS section**

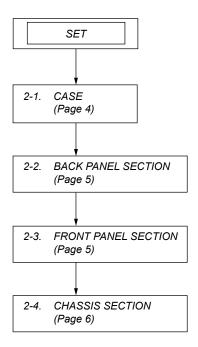
| +<br>- | Connects to the supplied speakers (page 16). |
|--------|--|

#### 6 AUDIO INPUT/OUTPUT section

| Black AUDIO IN Connects to the receiver. |  |
|--|--|
|--|--|

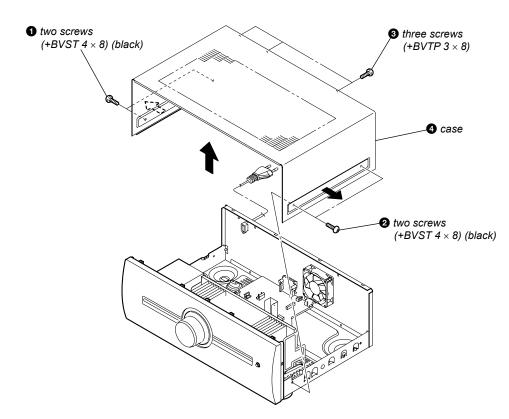
#### SECTION 2 DISASSEMBLY

**Note:** This set can be disassemble according to the following sequence.

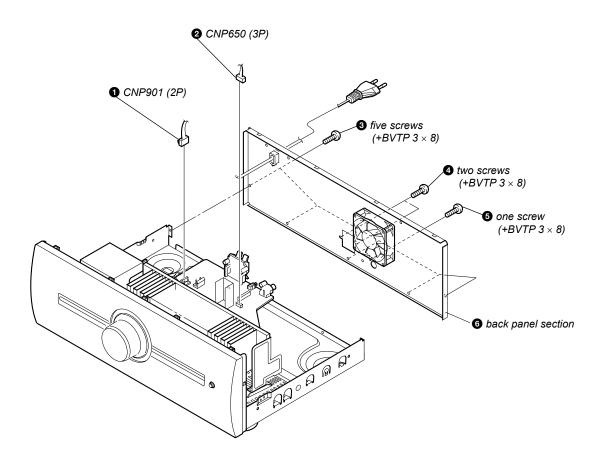


**Note:** Follow the disassembly procedure in the numerical order given.

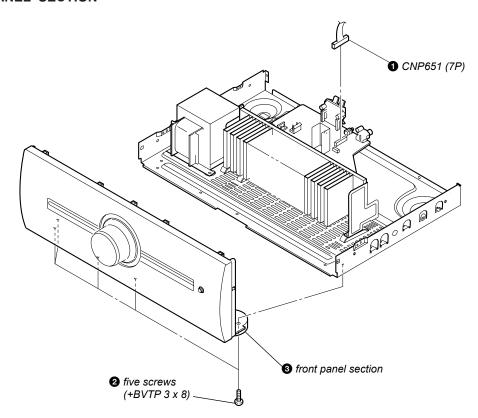
#### 2-1. CASE



#### 2-2. BACK PANEL SECTION

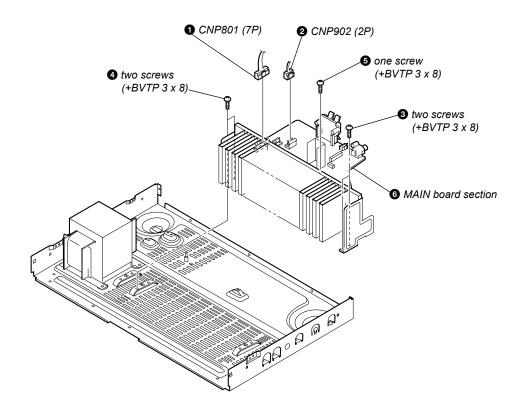


#### 2-3. FRONT PANEL SECTION



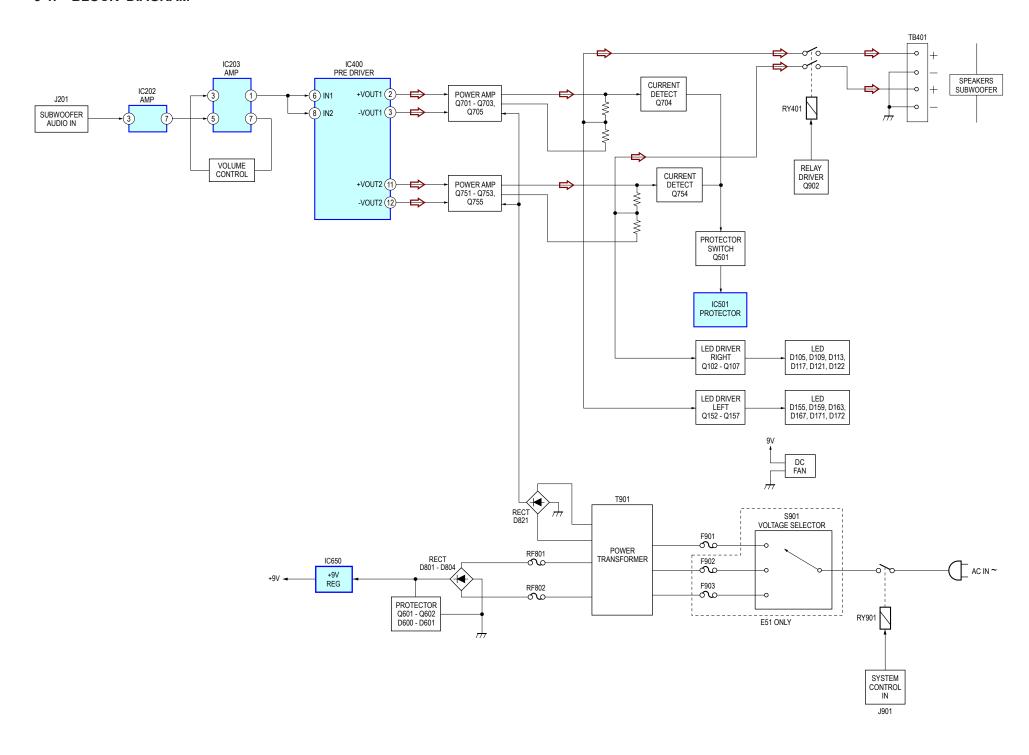
#### TA-KMSW500

#### 2-4. MAIN BOARD SECTION



#### SECTION 3 DIAGRAMS

#### 3-1. BLOCK DIAGRAM



Signal path

: AUDIO (ANALOG)

 R-ch is omitted due to same as L-ch.

#### THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this, the necessary note is printed in each block.)

#### For Printed Wiring Boards.

#### Note:

• • — : Parts extracted from the component side.

•  $\triangle$  : internal component.

Pattern from the side which enables seeing.

#### Caution:

Parts on the parts face side seen from Parts face side: (SIDE A) the parts face are indicated. Pattern face side: Parts on the pattern face side seen from (SIDE B) the pattern face are indicated.

Abbreviation

E51 : Chilean and Peruvian models

: Saudi Arabia model

#### For Schematic Diagrams.

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $^{1\!/4}$  W or less unless otherwise specified.

• - : nonflammable resistor. • fusible resistor.

panel designation.

#### Note:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part

Note: Les composants identifiés par une marque \land sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- : B+ Line.
- === : B- Line.

number specified.

· Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

no mark: FM

- Voltages are taken with VOM (Input impedance 10  $M\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- · Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- · Circled numbers refer to waveforms.
- · Signal path.

: TUNER (FM/AM) : VIDEO (AUDIO) : VIDEO

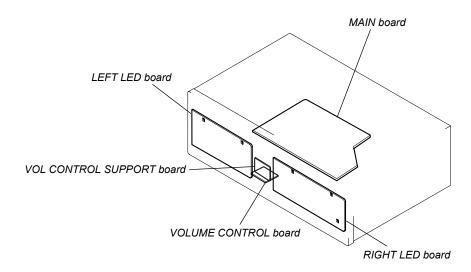
□ DVD (DIGITAL)
□ CD (ANALOG)

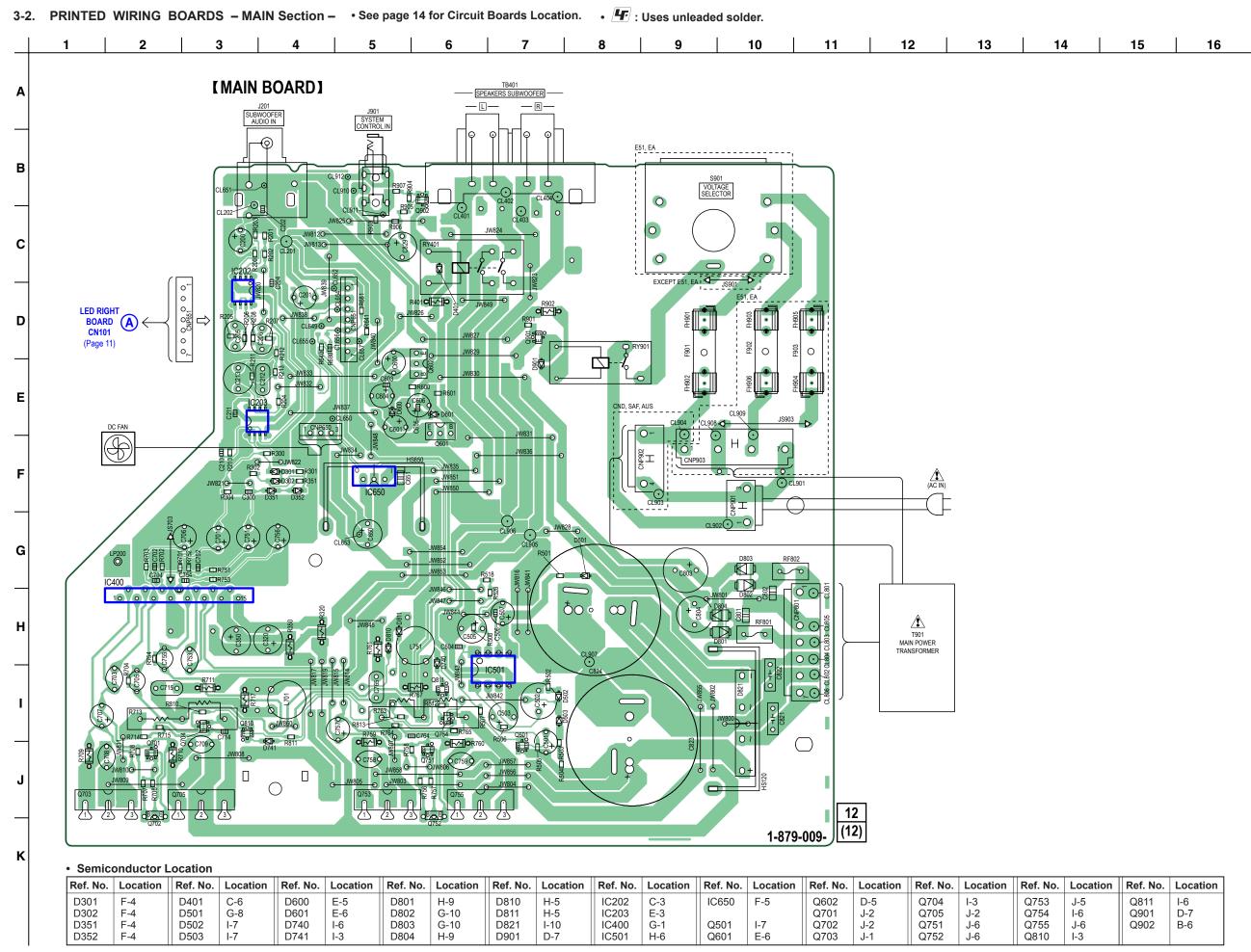
Abbreviation

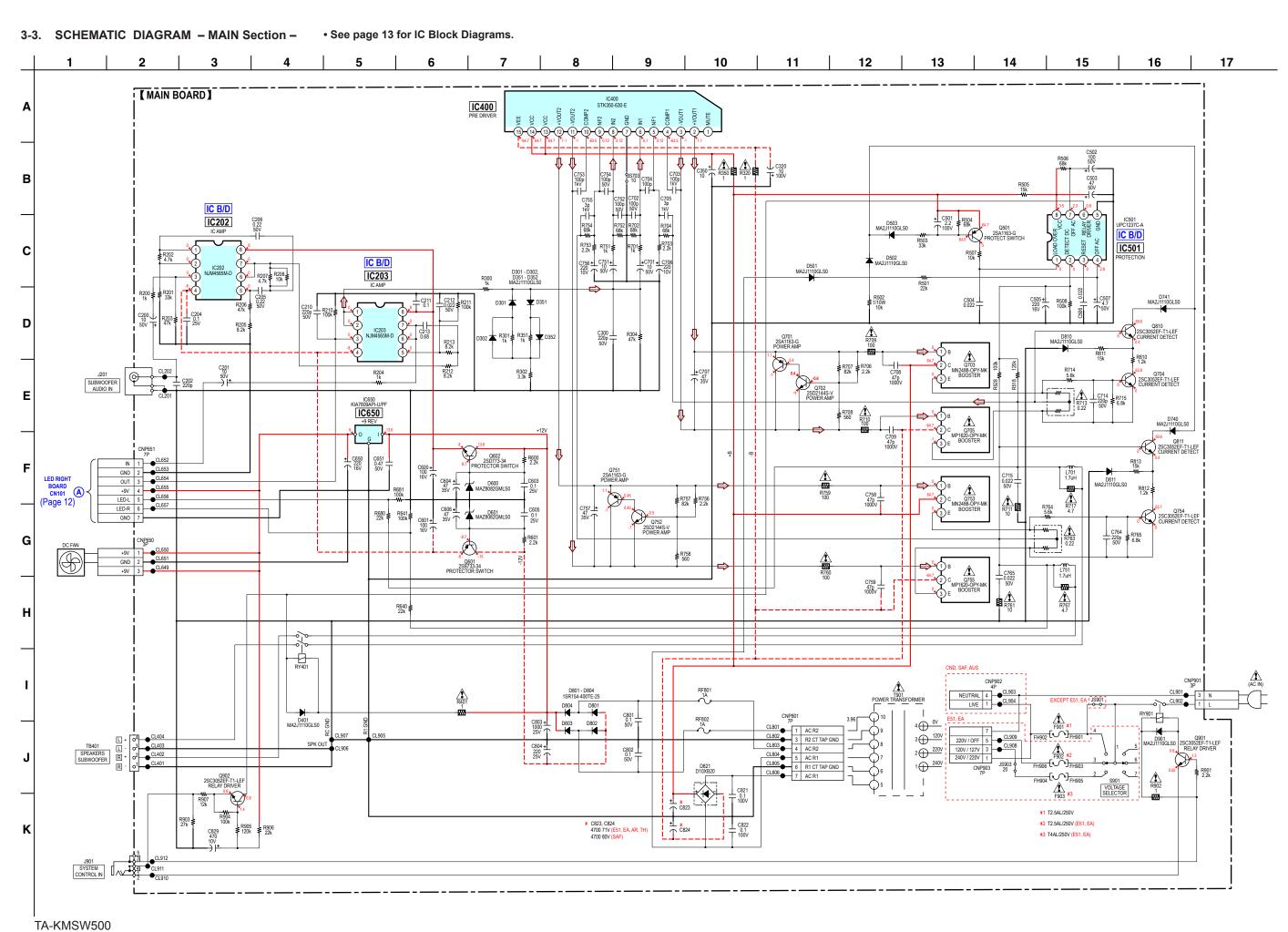
E51 : Chilean and Peruvian models

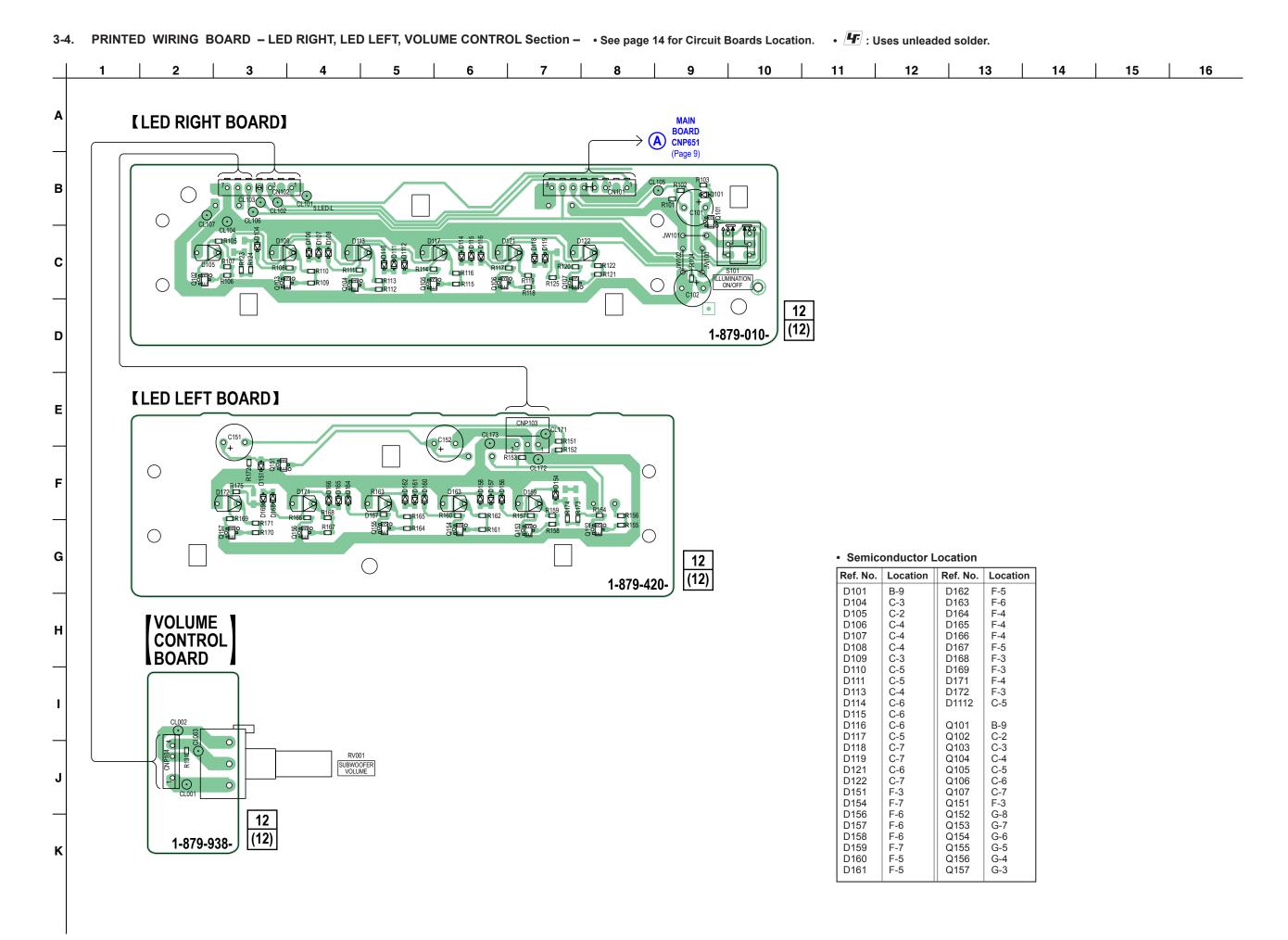
: Saudi Arabia model

#### Circuit Boards Location

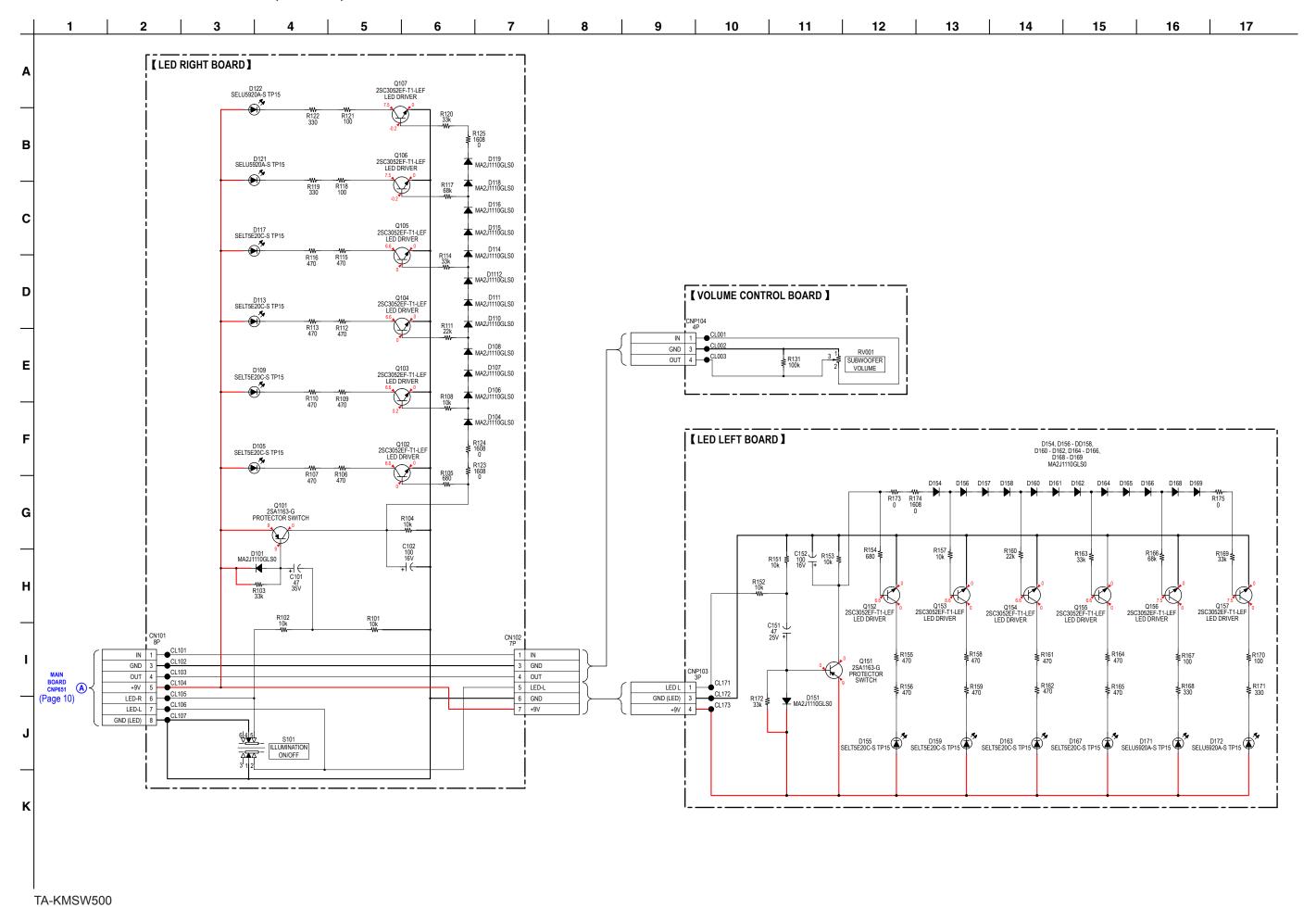




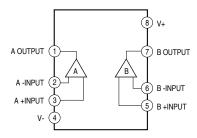




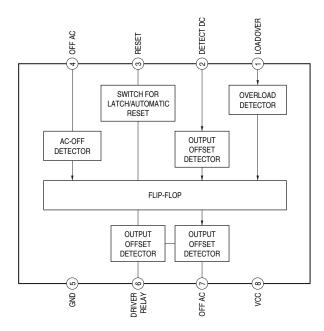
#### 3-5. SCHEMATIC DIAGRAM - LED RIGHT, LED LEFT, VOLUME CONTROL Section -



#### • IC Block Diagrams IC202, IC203 NJM4565M-D (MAIN BOARD)



#### IC501 uPC1237C-A (MAIN BOARD)



### SECTION 4 EXPLODED VIEWS

#### Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example: KNOB, BALANCE (WHITE) . . . (RED)

Parts Color Cabinet's Color

· Abbreviation

AR : Argentina model MY : Malaysia model AUS : Australian model SAF : South African EA : Saudi Arabia model

A : Saudi Arabia model SP : Singapore model

E51 : Chilean and Peruvian models

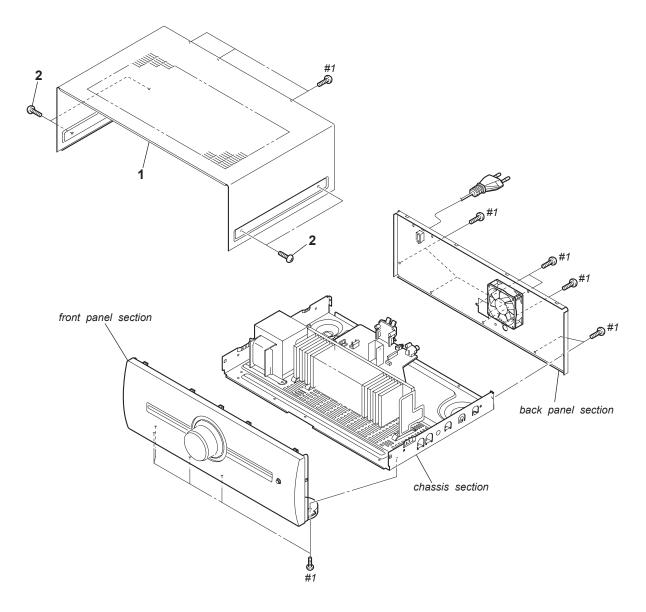
 Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

 The mechanical parts with no reference number in the exploded views are not supplied.

 Accessories are given in the last of the electrical parts list. The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

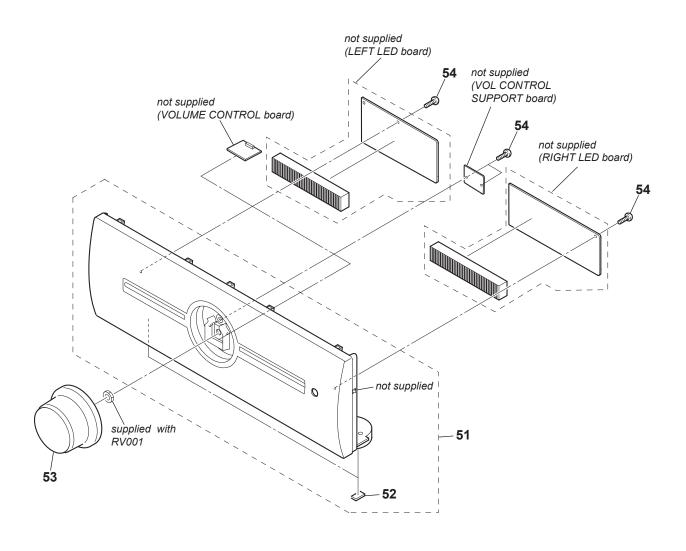
Replace only with part number specified.

#### 4-1. CASE



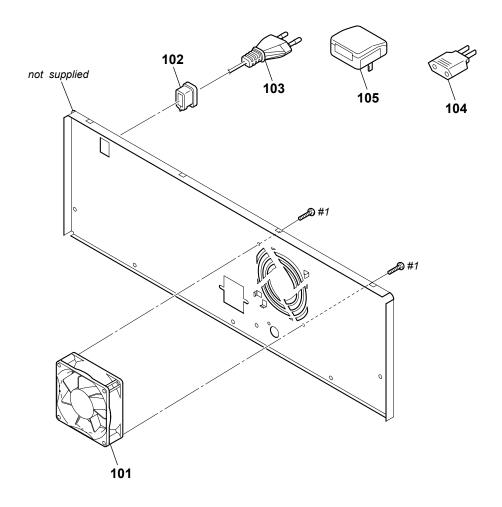
| Ref. No. | Part No.                     | Description              | Remark | Ref. No. | Part No.     | Description                | Remark |
|----------|------------------------------|--------------------------|--------|----------|--------------|----------------------------|--------|
| 1<br>2   | 3-285-693-51<br>2-580-630-01 | CASE<br>SCREW, +BVST 4X8 |        | #1       | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 |        |

#### 4-2. FRONT PANEL SECTION



| Ref. No. | Part No.                     | <u>Description</u>          | Remark | Ref. No. | Part No.                     | Description                    | Remark |
|----------|------------------------------|-----------------------------|--------|----------|------------------------------|--------------------------------|--------|
| 51<br>52 | X-2342-687-1<br>4-977-358-01 | FRONT PANEL ASSY<br>CUSHION |        | 53<br>54 | 4-127-221-01<br>3-087-053-01 | KNOB, VOLUME<br>+BVTP2.6 (3CR) |        |

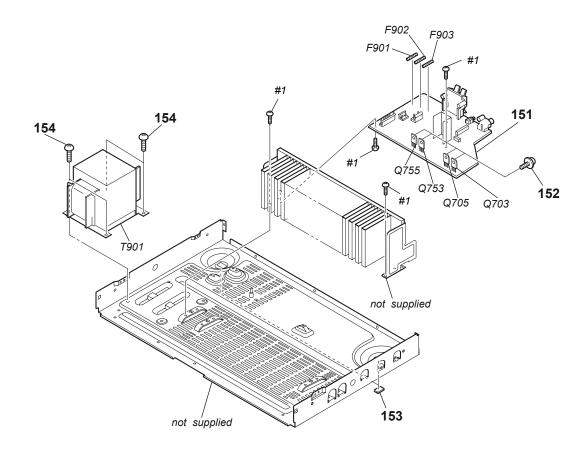
#### 4-3. BACK PANEL SECTION



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

| Ref. No.  | Part No.   | Description   | Remark | Ref. No.  | Part No.   | Description  | Remark |
|---|--|---|--------|---|--|--|--------|
| 101<br>102<br>102<br><u>↑</u> 103<br><u>↑</u> 103 | 1-763-738-11<br>3-703-244-00<br>4-996-267-12<br>1-777-071-83<br>1-829-387-11 | DC FAN<br>CORD BUSH (2104) (EXCEPT TH)<br>BUSHING (FBS 001), CORD (TH)<br>CORD, POWER (EXCEPT AR, TH)<br>CORD, POWER (AR) |        | <ul><li>⚠ 103</li><li>⚠ 103</li><li>⚠ 103</li><li>⚠ 104</li><li>⚠ 105</li></ul> | 1-833-566-21<br>1-834-270-11<br>1-834-288-21<br>1-569-008-33<br>1-770-019-71 | POWER SUPPLY CORD (AUS)<br>CORD, POWER (CND)<br>CORD, POWER (TH)<br>ADAPTOR, CONVERSION 2P (E51)<br>ADAPTOR, CONVERSION PLUG 3P (E | A)     |
|   |  |   |        | #1  | 7-685-646-79   | SCREW +BVTP 3X8 TYPE2 IT-3   |        |

#### 4-4. CHASSIS SECTION



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

| Ref. No.       | Part No.     | Description                     | Remark  | Ref. No.              | Part No.     | Description                  | Remark |
|----------------|--------------|---------------------------------|---------|-----------------------|--------------|------------------------------|--------|
| 151            | A-1653-231-A | MAIN BOARD, COMPLETE (EXCEPT E  | 51, EA) | <b>⚠</b> Q703         | 6-702-390-01 | TRANSISTOR MN2488-OPY-MK     |        |
| 151            | A-1660-457-A | MAIN BOARD, COMPLETE (E51)      |         | ⚠ Q705                | 6-702-391-01 | TRANSISTOR MP1620-OPY-MK     |        |
| 151            | A-1660-457-A | MAIN BOARD, COMPLETE (EA)       |         | <b>⚠</b> Q753         | 6-702-390-01 | TRANSISTOR MN2488-OPY-MK     |        |
| 152            | 3-905-609-01 | SCREW (TRANSISTOR)              |         | <u></u> <b>∆</b> Q755 | 6-702-391-01 | TRANSISTOR MP1620-OPY-MK     |        |
| 153            | 4-977-358-01 | CUSHION                         |         | <u></u> 1901          | 1-445-698-12 | POWER TRANSFORMER (SAF, AUS) |        |
| 154            | 4-249-675-01 | +BV SUMITITE S 4X6 ROUND        |         | <u></u> 1901          | 1-445-713-12 | TRANSFORMER, POWER (E51)     |        |
| ▲ F901         | 1-532-464-33 | FUSE (T2.5AL/250V) (EXCEPT CND) |         | <b>⚠</b> T901         | 1-445-731-11 | POWER TRANSFORMER (CND)      |        |
| ▲ F901         | 1-533-452-12 | FUSE, GLASS TUBE (DIA. 5) (CND) |         | <u></u> ₹ Т901        | 1-445-751-11 | TRANSFORMER, POWER (EA)      |        |
| <b> №</b> F902 | 1-532-464-33 | FUSE (T2.5AL/250V) (E51, EA)    |         | #1                    | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3   |        |
| <b> №</b> F903 | 1-532-504-33 | FUSE (T4AL/250V) (E51, EA)      |         |                       |              |                              |        |

LEFT LED MAIN

# SECTION 5 ELECTRICAL PARTS LIST

#### Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service

Some delay should be anticipated when ordering these items.

- CAPACITORS
- uF: μF
- COILS uH: µH

RESISTORS

All resistors are in ohms. METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable
• SEMICONDUCTORS

In each case, u:  $\mu$ , for example:

uA. . : μA. . , uPA. . , μPA. . , uPB. . : μPB. . , uPC. . , μPC. . ,

uPD. . : μPD. .

Abbreviation

AR : Argentina model AUS : Australian model EA : Saudi Arabia model

E51 : Chilean and Peruvian models

MY: Malaysia model SAF: South African model SP: Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety

Replace only with part number specified.

| Ref. No. | Part No.        | <u>Description</u> |         |                | Remark | Ref. No. | Part No.     | Description   |             |         | Remark      |
|----------|-----------------|--------------------|---------|----------------|--------|----------|--------------|---------------|-------------|---------|-------------|
|          |                 | LEFT LED BOAF      |         |                |        | R155     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
|          |                 |                    |         |                |        | R156     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
|          |                 | < CAPACITOR >      | >       |                |        | R157     | 1-216-833-11 | METAL CHIP    | 10K         | 5%      | 1/10W       |
|          |                 |                    |         |                |        | R158     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
| C151     | 1-119-772-11    | ELECT              | 47uF    | 20%            | 35V    | R159     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
| C152     | 1-119-774-11    | ELECT              | 100uF   | 20%            | 16V    | R160     | 1-216-837-11 | METAL CHIP    | 22K         | 5%      | 1/10W       |
| 0102     | 1 110 774 11    | LLLOI              | Toour   | 2070           | 10 V   | 11100    | 1210 007 11  | WEINE OIT     | ZZIV        | 0 70    | 1710        |
|          |                 | < CONNECTOR        | >       |                |        | R161     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
|          |                 |                    |         |                |        | R162     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
| * CNP103 | 1-564-518-11    | PLUG, CONNEC       | CTOR 3P |                |        | R163     | 1-216-839-11 | METAL CHIP    | 33K         | 5%      | 1/10W       |
|          |                 |                    |         |                |        | R164     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
|          |                 | < DIODE >          |         |                |        | R165     | 1-216-817-11 | METAL CHIP    | 470         | 5%      | 1/10W       |
| D151     | 6-501-817-01    | DIODE MA2J1        | 110GLS0 |                |        | R166     | 1-216-843-11 | METAL CHIP    | 68K         | 5%      | 1/10W       |
| D154     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        | R167     | 1-216-809-11 | METAL CHIP    | 100         | 5%      | 1/10W       |
| D155     | 6-502-781-01    | DI SELT5E20C       | -S TP15 |                |        | R168     | 1-216-815-11 | METAL CHIP    | 330         | 5%      | 1/10W       |
| D156     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        | R169     | 1-216-839-11 | METAL CHIP    | 33K         | 5%      | 1/10W       |
| D157     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        | R170     | 1-216-809-11 | METAL CHIP    | 100         | 5%      | 1/10W       |
|          |                 |                    |         |                |        |          |              |               |             |         |             |
| D158     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        | R171     | 1-216-815-11 | METAL CHIP    | 330         | 5%      | 1/10W       |
| D159     | 6-502-781-01    | DI SELT5E20C       | -S TP15 |                |        | R172     | 1-216-839-11 | METAL CHIP    | 33K         | 5%      | 1/10W       |
| D160     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        | R173     | 1-216-864-11 | SHORT CHIP    | 0           |         |             |
| D161     | 6-501-817-01    | DIODE MA2J1        | 110GLS0 |                |        | R174     | 1-216-864-11 | SHORT CHIP    | 0           |         |             |
| D162     | 6-501-817-01    | DIODE MA2J1        | 110GLS0 |                |        | R175     | 1-216-864-11 | SHORT CHIP    | 0           |         |             |
|          |                 |                    |         |                |        | ******   | ******       | *****         | ******      | *****   | *****       |
| D163     | 6-502-781-01    | DI SELT5E20C       | -S TP15 |                |        |          |              |               |             |         |             |
| D164     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        |          | A-1653-231-A | MAIN BOARD, C | OMPLETE     | (EXCE   | PT E51, EA) |
| D165     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        |          | A-1660-457-A | MAIN BOARD, C | OMPLETE     |         | (E51, EA)   |
| D166     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        |          | A-1735-189-A | MAIN BOARD, C |             | (CND, A | US, AR, TH) |
| D167     | 6-502-781-01    | DI SELT5E20C       | -S TP15 |                |        |          |              | *********     | ******      |         |             |
| D168     | 6-501-817-01    | DIODE MA2J11       | 110GLS0 |                |        |          | 7-685-646-79 | SCREW +BVTP 3 | 3X8 TYPE2 I | T-3     |             |
| D169     | 6-501-817-01    | DIODE MA2J1        | 110GLS0 |                |        |          |              |               |             |         |             |
| D171     | 6-502-782-01    | DI SELU5920A       | -S TP15 |                |        |          |              | < CAPACITOR > |             |         |             |
| D172     | 6-502-782-01    | DI SELU5920A       | -S TP15 |                |        |          |              |               |             |         |             |
|          |                 |                    |         |                |        | C200     | 1-126-964-11 | ELECT         | 10uF        | 20%     | 50V         |
|          |                 | < TRANSISTOR       | >       |                |        | C201     | 1-126-964-11 | ELECT         | 10uF        | 20%     | 50V         |
|          |                 |                    |         |                |        | C202     | 1-162-960-11 | CERAMIC CHIP  | 220PF       | 10%     | 50V         |
| Q151     | 8-729-216-31    | TRANSISTOR         | 2SA1163 | 8-G            |        | C204     | 1-100-566-91 | CERAMIC CHIP  | 0.1uF       | 10%     | 25V         |
| Q152     | 8-729-620-07    | TRANSISTOR         | 2SC3052 | EF-T1-LEF      |        | C205     | 1-137-190-91 | FILM          | 0.22uF      | 5%      | 50V         |
| Q153     | 8-729-620-07    | TRANSISTOR         |         | EF-T1-LEF      |        |          |              |               |             |         |             |
| Q154     | 8-729-620-07    | TRANSISTOR         |         | EF-T1-LEF      |        | C206     | 1-137-190-91 | FILM          | 0.22uF      | 5%      | 50V         |
| Q155     | 8-729-620-07    | TRANSISTOR         |         | EF-T1-LEF      |        | C210     | 1-162-960-11 | CERAMIC CHIP  | 220PF       | 10%     | 50V         |
| Q100     | 0 120 020 01    | 110 1101010101     | 2000002 |                |        | C211     | 1-100-566-91 | CERAMIC CHIP  | 0.1uF       | 10%     | 25V         |
| Q156     | 8-729-620-07    | TRANSISTOR         | 2SC3052 | EF-T1-LEF      |        | C212     | 1-136-157-00 | FILM          | 0.022uF     | 5%      | 50V         |
| Q157     | 8-729-620-07    | TRANSISTOR         |         | EF-T1-LEF      |        | C213     | 1-136-175-00 | FILM          | 0.68uF      | 5%      | 50V         |
| Q IJI    | 0-123-020-01    | MOTOR              | 2000002 | LLI - I I-LL'F |        | 0213     | 1-100-170-00 | ı ILIVI       | v.ooui      | J /0    | JUV         |
|          |                 | < RESISTOR >       |         |                |        | C300     | 1-162-957-11 | CERAMIC CHIP  | 220PF       | 5%      | 50V         |
|          |                 |                    |         |                |        | C320     | 1-128-582-11 | ELECT         | 10uF        | 20%     | 100V        |
| R151     | 1-216-833-11    | METAL CHIP         | 10K     | 5%             | 1/10W  | C350     | 1-128-582-11 | ELECT         | 10uF        | 20%     | 100V        |
| R152     | 1-216-833-11    | METAL CHIP         | 10K     | 5%             | 1/10W  | C501     | 1-128-579-11 | ELECT         | 2.2uF       | 20%     | 100V        |
| R153     | 1-216-833-11    | METAL CHIP         | 10K     | 5%             | 1/10W  | C502     | 1-126-968-11 | ELECT         | 100uF       | 20%     | 50V         |
| R154     | 1-216-819-11    | METAL CHIP         | 680     | 5%             | 1/10W  |          |              |               |             |         |             |
|          | . = . 0 0 10 11 |                    |         | -,0            | .,     |          |              |               |             |         |             |

|   |                  | 5                            | 5                       |                  |            |                  |                | 5                            | <b>D</b>  |                 |
|---|------------------|------------------------------|-------------------------|------------------|------------|------------------|----------------|------------------------------|---|-----------------|
| Ī | Ref. No.         | Part No.                     | <u>Description</u>      |                  |            | Remark           | Ref. No.       | Part No.                     | Description                                       | Remark          |
|   | C503<br>C504     | 1-126-967-11<br>1-164-227-11 | ELECT                   | 47uF<br>0.022uF  | 20%<br>10% | 50V<br>25V       | D401           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C504             | 1-104-227-11                 | CERAMIC CHIP<br>ELECT   | 0.022ur<br>220uF | 20%        | 25V<br>16V       | D501           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C506             | 1-164-227-11                 | CERAMIC CHIP            | 0.022uF          | 10%        | 25V              | D502           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C507             | 1-126-963-11                 | ELECT                   | 4.7uF            | 20%        | 50V              | D503           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   |                  |                              | E. E. E.                | 400 =            | 000/       | 4017             | D600           | 6-501-752-01                 | DIODE MAZ8082GMLS0                                |                 |
|   | C600             | 1-126-933-11<br>1-126-933-11 | ELECT<br>ELECT          | 100uF<br>100uF   | 20%        | 16V              | D601           | 6-501-752-01                 | DIODE MAZ8082GMLS0                                |                 |
|   | C601<br>C603     | 1-120-933-11                 | CERAMIC CHIP            | 0.1uF            | 20%<br>10% | 16V<br>25V       | D740           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C604             | 1-126-947-11                 | ELECT                   | 47uF             | 20%        | 35V              | D741           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C605             | 1-100-566-91                 | CERAMIC CHIP            | 0.1uF            | 10%        | 25V              | D801           | 8-719-053-18                 | DIODE 1SR154-400TE-25                             |                 |
|   |                  |                              |                         |                  | 000/       | 0.51./           | D802           | 8-719-053-18                 | DIODE 1SR154-400TE-25                             |                 |
|   | C606<br>C650     | 1-126-947-11<br>1-126-934-11 | ELECT<br>ELECT          | 47uF<br>220uF    | 20%<br>20% | 35V<br>16V       | D803           | 8-719-053-18                 | DIODE 1SR154-400TE-25                             |                 |
|   | C651             | 1-137-980-91                 | CERAMIC CHIP            | 0.47uF           | 10%        | 50V              | D804           | 8-719-053-18                 | DIODE 1SR154-400TE-25                             |                 |
|   | C701             | 1-126-964-11                 | ELECT                   | 10uF             | 20%        | 50V              | D810           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C702             | 1-162-927-11                 | CERAMIC CHIP            | 100PF            | 5%         | 50V              | D811           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | 0700             | 4 407 700 44                 | OFDAMIO                 | 400DE            | F0/        | E001/            | D821           | 6-500-360-01                 | DIODE D10XB20                                     |                 |
|   | C703<br>C704     | 1-107-792-11<br>1-162-927-11 | CERAMIC CHIP            | 100PF<br>100PF   | 5%<br>5%   | 500V<br>1kV      | D901           | 6-501-817-01                 | DIODE MA2J1110GLS0                                |                 |
|   | C705             | 1-116-177-21                 | CERAMIC                 | 3PF              | 0.25PF     | 1kV              |                |                              | < FUSE HOLDER >                                   |                 |
|   | C706             | 1-126-923-91                 | ELECT                   | 220uF            | 20%        | 10V              |                |                              |   |                 |
|   | C707             | 1-126-947-11                 | ELECT                   | 47uF             | 20%        | 35V              | FH901          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V              |
|   | 0700             | 4 444 000 04                 | OFDAMIO                 | 47DE             | F0/        | 40001/           | FH902          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V              |
|   | C708<br>C709     | 1-114-989-81<br>1-114-989-81 | CERAMIC<br>CERAMIC      | 47PF<br>47PF     | 5%<br>5%   | 1000V<br>1000V   | FH903          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V<br>(E51, EA) |
|   | C714             | 1-162-960-11                 | CERAMIC CHIP            | 220PF            | 10%        | 50V              | FH904          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V              |
|   | C715             | 1-136-157-00                 | FILM                    | 0.022uF          | 5%         | 50V              |                |                              |   | (E51, EA)       |
|   | C751             | 1-126-964-11                 | ELECT                   | 10uF             | 20%        | 50V              | FH905          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V              |
|   | 0750             | 4 400 007 44                 | OFDAMIO OLUB            | 400DE            | E0/        | E01/             |                |                              |   | (E51, EA)       |
|   | C752<br>C753     | 1-162-927-11<br>1-107-792-11 | CERAMIC CHIP<br>CERAMIC | 100PF<br>100PF   | 5%<br>5%   | 50V<br>1kV       | FH906          | 1-533-293-11                 | FUSE HOLDER 0A                                    | 0V              |
|   | C754             | 1-162-927-11                 | CERAMIC CHIP            | 100PF            | 5%         | 50V              | 111300         | 1-300-230-11                 | TOOL HOLDER OA                                    | (E51, EA)       |
|   | C755             | 1-116-177-21                 | CERAMIC                 | 3PF              | 0.25PF     | 1kV              |                |                              | < IC >  | ( - , , ,       |
|   | C756             | 1-126-923-91                 | ELECT                   | 220uF            | 20%        | 10V              |                |                              |   |                 |
|   | C757             | 1-126-947-11                 | ELECT                   | 47uF             | 20%        | 35V              | IC202<br>IC203 | 8-759-710-97<br>8-759-710-97 | IC NJM4565M-D<br>IC NJM4565M-D                    |                 |
|   | C757             | 1-120-947-11                 | CERAMIC                 | 47uF<br>47PF     | 5%         | 1000V            | IC203          | 6-713-895-01                 | IC STK350-630-E                                   |                 |
|   | C759             | 1-114-989-81                 | CERAMIC                 | 47PF             | 5%         | 1000V            | IC501          | 6-708-609-01                 | IC uPC1237C-A                                     |                 |
|   | C764             | 1-162-960-11                 | CERAMIC CHIP            | 220PF            | 10%        | 50V              | IC650          | 6-713-032-01                 | IC KIA7809API-U/PF                                |                 |
|   | C765             | 1-136-157-00                 | FILM                    | 0.022uF          | 5%         | 50V              |                |                              | . 14.017  |                 |
|   | C801             | 1-104-329-11                 | CERAMIC CHIP            | 0.1uF            | 10%        | 50V              |                |                              | < JACK >  |                 |
|   | C802             | 1-104-329-11                 | CERAMIC CHIP            | 0.1uF            | 10%        | 50V              | J201           | 1-774-785-11                 | JACK, PIN 1P (SUBWOOFER AUDIC                     | IN)             |
|   | C803             | 1-126-942-61                 | ELECT                   | 1000uF           | 20%        | 25V              | J901           | 1-820-056-21                 | SMALL TYPE JACK (3.5MM)                           | ,               |
|   | C804             | 1-104-666-11                 | ELECT                   | 220uF            | 20%        | 25V              |                |                              | (SYSTEM   | CONTROL IN)     |
|   | C821             | 1-130-777-00                 | MYLAR                   | 0.1uF            | 5%         | 100V             |                |                              | < COIL >  |                 |
|   | C822             | 1-130-777-00                 | MYLAR                   | 0.1uF            | 5%         | 100V             |                |                              | COIL  |                 |
|   | C823             | 1-116-301-11                 | ELECT                   | 4700uF           | 20%        | 71V              | L701           | 1-420-872-52                 | COIL, AIR-CORE                                    |                 |
|   |                  |                              |                         | 4700 5           |            | EA, AR,TH)       | L751           | 1-420-872-52                 | COIL, AIR-CORE                                    |                 |
|   | C823<br>C824     | 1-116-372-11<br>1-116-301-11 | ELECT<br>ELECT          | 4700uF<br>4700uF | 20%<br>20% | 80V (SAF)<br>71V |                |                              | < TRANSISTOR >                                    |                 |
|   | C024             | 1-110-301-11                 | ELECT                   | 4700ur           |            | EA, AR,TH)       |                |                              | < TRANSISTOR >                                    |                 |
|   | C824             | 1-116-372-11                 | ELECT                   | 4700uF           | 20%        | 80V (SAF)        | Q501           | 8-729-216-31                 | TRANSISTOR 2SA1163-G                              |                 |
|   |                  |                              |                         |                  |            |                  | Q601           | 8-729-140-93                 | TRANSISTOR 2SB733-34                              |                 |
| * | C829             | 1-126-925-91                 | ELECT                   | 470uF            | 20%        | 10V              | Q602           | 8-729-140-98                 | TRANSISTOR 2SD773-34                              |                 |
| * | CNP650<br>CNP651 | 1-564-506-11<br>1-564-510-11 | PLUG, CONNECT           |                  |            |                  | Q701<br>Q702   | 8-729-216-31<br>8-729-922-39 | TRANSISTOR 2SA1163-G<br>TRANSISTOR 2SD2144S-V     |                 |
|   | CNP801           | 1-785-104-11                 | PIN, CONNECTO           |                  | PITCH) 6F  | )                | Q102           | 0-125-522-55                 | TRANSISTOR ZODZ 1440-V                            |                 |
|   | CNP901           | 1-564-321-00                 | PIN, CONNECTO           | *                | ,          |                  | Q704           | 8-729-620-07                 | TRANSISTOR 2SC3052EF-T1-LEF                       |                 |
|   | ONIDOGO          | 4 505 700 44                 | DIN CONNECTO            | D (0.00          |            |                  | Q751           | 8-729-216-31                 | TRANSISTOR 2SA1163-G                              |                 |
| 4 | CNP902           | 1-565-792-11                 | PIN, CONNECTO           | R (3.96mm )      | ,          | , SAF, AUS)      | Q752<br>Q754   | 8-729-922-39<br>8-729-620-07 | TRANSISTOR 2SD2144S-V TRANSISTOR 2SC3052EF-T1-LEF |                 |
|   | CNP903           | 1-568-106-11                 | PIN, CONNECTO           | R (3.96mm l      |            |                  | Q810           | 8-729-620-07                 | TRANSISTOR 2SC3052EF-T1-LEF                       |                 |
|   |                  |                              |                         | ,                | , "        | ,,,              |                |                              |   |                 |
|   |                  |                              | < DIODE>                |                  |            | Q811             | 8-729-620-07   | TRANSISTOR 2SC3052EF-T1-LEF  |   |                 |
|   | D301             | 6 501 917 01                 | DIODE MASIAA            | 1001 00          |            |                  | Q901           | 8-729-620-07                 | TRANSISTOR 2SC3052EF-T1-LEF                       |                 |
|   | D301<br>D302     | 6-501-817-01<br>6-501-817-01 | DIODE MA2J11            |                  |            |                  | Q902           | 8-729-620-07                 | TRANSISTOR 2SC3052EF-T1-LEF                       |                 |
|   | D351             | 6-501-817-01                 | DIODE MA2J11            |                  |            |                  |                |                              |   |                 |
|   | D352             | 6-501-817-01                 | DIODE MA2J11            | 10GLS0           |            |                  |                |                              |   |                 |
|   |                  |                              |                         |                  |            |                  |                |                              |   |                 |

# Ver. 1.2 MAIN RIGHT LED

| Ref. No.                     | Part No.                     | Description < RESISTOR>  |              |             | Remark         | <u>Ref. No.</u> | Part No.<br>1-249-405-11     | Description CARBON            | 100           | 5%       | Remark<br>1/4W |
|------------------------------|------------------------------|--------------------------|--------------|-------------|----------------|-----------------|------------------------------|-------------------------------|---------------|----------|----------------|
|                              |                              | \ NLSISTOR>              |              |             |                | <u> </u>        | 1-243-403-11                 | CARBON                        | 100           | J /0     | 1/4 V V        |
| R200                         | 1-216-821-11                 | METAL CHIP               | 1K           | 5%          | 1/10W          | ⚠ R761          | 1-249-393-11                 | CARBON                        | 10<br>20MDONE | 5%       | 1/4W           |
| R201<br>R202                 | 1-216-839-11<br>1-216-829-11 | METAL CHIP<br>METAL CHIP | 33K<br>4.7K  | 5%<br>5%    | 1/10W<br>1/10W | R763<br>R764    | 1-234-182-11<br>1-216-830-11 | ENCAPSULATED METAL CHIP       | 5.6K          | 5%       | 1/10W          |
| R203                         | 1-216-841-11                 | METAL CHIP               | 47K          | 5%          | 1/10W          | R765            | 1-218-867-11                 | METAL CHIP                    | 6.8K          | 5%       | 1/10W          |
| R204                         | 1-216-821-11                 | METAL CHIP               | 1K           | 5%          | 1/10W          | ⚠ R767          | 1-249-389-11                 | CARBON                        | 4.7           | 5%       | 1/4W           |
| R205                         | 1-216-832-11                 | METAL CHIP               | 8.2K         | 5%          | 1/10W          | R810            | 1-216-822-11                 | METAL CHIP                    | 1.2K          | 5%       | 1/10W          |
| R206                         | 1-216-841-11                 | METAL CHIP               | 47K          | 5%          | 1/10W          | R811            | 1-216-835-11                 | METAL CHIP                    | 15K           | 5%       | 1/10W          |
| R207                         | 1-216-829-11                 | METAL CHIP               | 4.7K         | 5%          | 1/10W          | R812            | 1-216-822-11                 | METAL CHIP                    | 1.2K          | 5%       | 1/10W          |
| R208                         | 1-216-833-11                 | METAL CHIP               | 10K          | 5%          | 1/10W          | R813            | 1-216-835-11                 | METAL CHIP                    | 15K           | 5%       | 1/10W          |
| R210                         | 1-216-845-11                 | METAL CHIP               | 100K         | 5%          | 1/10W          | R901            | 1-216-825-11                 | METAL CHIP                    | 2.2K          | 5%       | 1/10W          |
| R211                         | 1-216-845-11                 | METAL CHIP               | 100K         | 5%          | 1/10W          | ⚠ R902          | 1-249-381-11                 | CARBON                        | 1             | 5%       | 1/4W           |
| R212                         | 1-216-832-11                 | METAL CHIP               | 8.2K         | 5%          | 1/10W          | R903            | 1-216-838-11                 | METAL CHIP                    | 27K           | 5%       | 1/10W          |
| R213<br>R300                 | 1-216-832-11                 | METAL CHIP               | 8.2K         | 5%          | 1/10W<br>1/10W | R904<br>R905    | 1-216-845-11<br>1-216-846-11 | METAL CHIP                    | 100K          | 5%       | 1/10W          |
| R301                         | 1-216-821-11<br>1-216-821-11 | METAL CHIP<br>METAL CHIP | 1K<br>1K     | 5%<br>5%    | 1/10W          | R905<br>R906    | 1-216-646-11                 | METAL CHIP<br>METAL CHIP      | 120K<br>22K   | 5%<br>5% | 1/10W<br>1/10W |
|                              |                              |                          |              |             |                |                 |                              |                               |               |          |                |
| R302<br>R304                 | 1-216-827-11<br>1-216-841-11 | METAL CHIP<br>METAL CHIP | 3.3K<br>47K  | 5%<br>5%    | 1/10W<br>1/10W | R907            | 1-216-834-11                 | METAL CHIP                    | 12K           | 5%       | 1/10W          |
| Æ R320                       | 1-249-381-11                 | CARBON                   | 1            | 5%          | 1/10VV<br>1/4W |                 |                              | < FUSE >                      |               |          |                |
| ⚠ R350                       | 1-249-381-11                 | CARBON                   | 1            | 5%          | 1/4W           |                 |                              | . 552                         |               |          |                |
| R351                         | 1-216-821-11                 | METAL CHIP               | 1K           | 5%          | 1/10W          | RF801           | 1-523-082-11                 | FUSE                          | 1A            |          | 250V           |
| <b> ∆</b> R401               | 1-249-381-11                 | CARBON                   | 1            | 5%          | 1/4W           | RF802           | 1-523-082-11                 | FUSE                          | 1A            |          | 250V           |
| R501                         | 1-216-837-11                 | METAL CHIP               | 22K          | 5%          | 1/10W          |                 |                              | < RELAY >                     |               |          |                |
| R502                         | 1-216-833-11                 | METAL CHIP               | 10K          | 5%          | 1/10W          |                 |                              |                               |               |          |                |
| R503                         | 1-216-839-11                 | METAL CHIP               | 33K          | 5%          | 1/10W          | RY401           | 1-755-170-11                 | RELAY (12V)                   |               |          |                |
| R504                         | 1-216-843-11                 | METAL CHIP               | 68K          | 5%          | 1/10W          | RY901           | 1-755-541-11                 | RELAY                         |               |          |                |
| R505                         | 1-216-835-11                 | METAL CHIP               | 15K          | 5%          | 1/10W          |                 |                              | < SWITCH >                    |               |          |                |
| R506                         | 1-216-843-11                 | METAL CHIP               | 68K          | 5%          | 1/10W          | 0004            | 4 700 055 04                 | OF LEGTOR VOL                 | T4.0F         |          | (FF4 FA)       |
| R507<br>R508                 | 1-216-833-11<br>1-216-845-11 | METAL CHIP<br>METAL CHIP | 10K<br>100K  | 5%<br>5%    | 1/10W<br>1/10W | S901            | 1-786-055-31                 | SELECTOR, VOL                 | IAGE          |          | (E51, EA)      |
| R518                         | 1-216-846-11                 | METAL CHIP               | 120K         | 5%          | 1/10W          |                 |                              | < TERMINAL >                  |               |          |                |
| D.500                        | 4 040 045 44                 | METAL OLUB               | 40017        | <b>5</b> 0/ | 4/40/4/        | TD 404          | 4 004 705 44                 | TERMINAL ROAS                 | D (ODE ALC    | -00 0110 | WOOFFD)        |
| R528<br>R600                 | 1-216-845-11<br>1-216-825-11 | METAL CHIP<br>METAL CHIP | 100K<br>2.2K | 5%<br>5%    | 1/10W<br>1/10W | TB401<br>****** | 1-694-785-11                 | TERMINAL BOAF                 |               |          |                |
| R601                         | 1-216-825-11                 | METAL CHIP               | 2.2K         | 5%          | 1/10W          |                 |                              |                               |               |          |                |
| R640                         | 1-216-837-11                 | METAL CHIP               | 22K          | 5%          | 1/10W          |                 |                              | RIGHT LED BOA                 |               |          |                |
| R641                         | 1-216-845-11                 | METAL CHIP               | 100K         | 5%          | 1/10W          |                 |                              | ******                        | ***           |          |                |
| R680                         | 1-216-837-11                 | METAL CHIP               | 22K          | 5%          | 1/10W          |                 |                              | < CAPACITOR >                 |               |          |                |
| R681                         | 1-216-845-11                 | METAL CHIP               | 100K         | 5%          | 1/10W          |                 |                              |                               |               |          |                |
| R701                         | 1-216-821-11                 | METAL CHIP               | 1K           | 5%          | 1/10W          | C101            | 1-119-772-11                 | ELECT                         | 47uF          | 20%      | 35V            |
| R702<br>R703                 | 1-216-843-11<br>1-216-825-11 | METAL CHIP<br>METAL CHIP | 68K<br>2.2K  | 5%<br>5%    | 1/10W<br>1/10W | C102            | 1-119-774-11                 | ELECT                         | 100uF         | 20%      | 16V            |
| 11700                        | 1 2 10 020 11                | WE IT IE OF III          | 2.21         | 070         | 1/1011         |                 |                              | < DIODE >                     |               |          |                |
| R704                         | 1-216-843-11                 | METAL CHIP               | 68K          | 5%          | 1/10W          | D404            | 0.504.047.04                 | DIODE MANIA                   | 1001.00       |          |                |
| R706<br>R707                 | 1-216-825-11<br>1-216-844-11 | METAL CHIP<br>METAL CHIP | 2.2K<br>82K  | 5%<br>5%    | 1/10W<br>1/10W | D101<br>D104    | 6-501-817-01<br>6-501-817-01 | DIODE MA2J11<br>DIODE MA2J11  |               |          |                |
| R708                         | 1-216-818-11                 | METAL CHIP               | 560          | 5%          | 1/10W          | D104            | 6-502-781-01                 | DI SELT5E20C-                 |               |          |                |
| <b>⚠</b> R709                | 1-249-405-11                 | CARBON                   | 100          | 5%          | 1/4W           | D106            | 6-501-817-01                 | DIODE MA2J11                  | 10GLS0        |          |                |
| <u></u> <b>⊼</b> R710        | 1-249-405-11                 | CARBON                   | 100          | 5%          | 1/4W           | D107            | 6-501-817-01                 | DIODE MA2J11                  | 10GLS0        |          |                |
| <u></u> R710<br><u></u> R711 | 1-249-393-11                 | CARBON                   | 100          | 5%          | 1/4W           | D108            | 6-501-817-01                 | DIODE MA2J11                  | 10GLS0        |          |                |
| <b>⚠</b> R713                | 1-234-182-11                 | ENCAPSULATE              | COMPONE      |             |                | D109            | 6-502-781-01                 | DI SELT5E20C-                 | S TP15        |          |                |
| R714                         | 1-216-830-11                 | METAL CHIP               | 5.6K         | 5%          | 1/10W          | D110            | 6-501-817-01                 | DIODE MA2J11                  |               |          |                |
| R715                         | 1-218-867-11                 | METAL CHIP               | 6.8K         | 5%          | 1/10W          | D111<br>D113    | 6-501-817-01<br>6-502-781-01 | DIODE MA2J11<br>DI SELT5E20C- |               |          |                |
| <b>⚠</b> R717                | 1-249-389-11                 | CARBON                   | 4.7          | 5%          | 1/4W           |                 |                              |                               |               |          |                |
| R751                         | 1-216-821-11                 | METAL CHIP               | 1K           | 5%          | 1/10W          | D114            | 6-501-817-01                 | DIODE MA2J11                  |               |          |                |
| R752<br>R753                 | 1-216-843-11<br>1-216-825-11 | METAL CHIP<br>METAL CHIP | 68K<br>2.2K  | 5%<br>5%    | 1/10W<br>1/10W | D115<br>D116    | 6-501-817-01<br>6-501-817-01 | DIODE MA2J11<br>DIODE MA2J11  |               |          |                |
| R754                         | 1-216-843-11                 | METAL CHIP               | 68K          | 5%          | 1/10W          | D110            | 6-502-781-01                 | DI SELT5E20C-                 |               |          |                |
|                              |                              |                          |              |             |                | D118            | 6-501-817-01                 | DIODE MA2J11                  |               |          |                |
| R756<br>R757                 | 1-216-825-11<br>1-216-844-11 | METAL CHIP<br>METAL CHIP | 2.2K<br>82K  | 5%<br>5%    | 1/10W<br>1/10W | D119            | 6-501-817-01                 | DIODE MA2J11                  | 10GI S0       |          |                |
| R758                         | 1-216-818-11                 | METAL CHIP               | 560          | 5%          | 1/10W          | D119<br>D121    | 6-502-782-01                 | DI SELU5920A-                 |               |          |                |
| <b>⚠</b> R759                | 1-249-405-11                 | CARBON                   | 100          | 5%          | 1/4W           | D122            | 6-502-782-01                 | DI SELU5920A-                 |               |          |                |

RIGHT LED VOL CONTROL

| Dof No                               | Port No  | Description  |  | Domark                                    | Dof No  | Part No.   | Description  | Domark                               |
|--------------------------------------|--|--|--|---|---|--|--|--------------------------------------|
| Ref. No.<br>D1112                    | Part No.<br>6-501-817-01   | Description  DIODE MA2J1110GLS   | )                                      | Remark                                    | <u>Ref. No.</u> <u>∧</u> 103  | 1-833-566-21   | Description POWER-SUPPLY CORD  | Remark<br>(AUS)                      |
| 51112                                | 0 001 011 01   |  | ,                                      |   | <u>↑</u> 103  | 1-834-270-11   | CORD, POWER  | (CND)                                |
| Q101<br>Q102<br>Q103<br>Q104         | 8-729-216-31<br>8-729-620-07<br>8-729-620-07<br>8-729-620-07                 | <pre><transistor> TRANSISTOR 2SA116 TRANSISTOR 2SC305 TRANSISTOR 2SC305 TRANSISTOR 2SC305</transistor></pre> | 2EF-T1-LEF<br>2EF-T1-LEF<br>2EF-T1-LEF |   | <ul> <li>▲ 103</li> <li>▲ 104</li> <li>▲ 105</li> <li>▲ F901</li> <li>▲ F902</li> </ul> | 1-834-288-21<br>1-569-008-33<br>1-770-019-71<br>1-532-464-33<br>1-532-464-33 | CORD, POWER<br>ADAPTOR, CONVERSION 2P<br>ADAPTOR, CONVERSION PLUG 3P<br>FUSE (T2.5AL/250V)<br>FUSE (T2.5AL/250V) | (TH)<br>(E51)<br>(EA)<br>(E51, EA)   |
| Q105                                 | 8-729-620-07   | TRANSISTOR 2SC305  | 2EF-T1-LEF                             |   | <u></u>   | 1-532-504-33   | FUSE (T4AL/250V)   | (E51, EA)                            |
| Q106<br>Q107                         | 8-729-620-07<br>8-729-620-07   | TRANSISTOR 2SC305 TRANSISTOR 2SC305 < RESISTOR >   |  |   | Q703<br>Q705<br>Q753<br>Q755  | 6-702-390-01<br>6-702-391-01<br>6-702-390-01<br>6-702-391-01                 | TRANSISTOR MN2488-OPY-MK TRANSISTOR MP1620-OPY-MK TRANSISTOR MN2488-OPY-MK TRANSISTOR MP1620-OPY-MK              |                                      |
| D404                                 | 4 040 000 44   |  | F0/                                    | 4/4014/                                   |   |  |  | (045 4110)                           |
| R101<br>R102<br>R103<br>R104<br>R105 | 1-216-833-11<br>1-216-833-11<br>1-216-839-11<br>1-216-833-11<br>1-216-819-11 | METAL CHIP 10K METAL CHIP 10K METAL CHIP 33K METAL CHIP 10K METAL CHIP 680                                   | 5%<br>5%<br>5%<br>5%<br>5%             | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W | ⚠ T901  | 1-445-698-12<br>1-445-713-12<br>1-445-731-11<br>1-445-751-11<br>********     | POWER TRANSFORMER TRANSFORMER, POWER POWER TRANSFORMER TRANSFORMER, POWER ************************************   | (SAF, AUS)<br>(E51)<br>(CND)<br>(EA) |
| R106                                 | 1-216-817-11   | METAL CHIP 470   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R107<br>R108                         | 1-216-817-11<br>1-216-833-11   | METAL CHIP 470<br>METAL CHIP 10K   | 5%<br>5%                               | 1/10W<br>1/10W                            |   |  |  |                                      |
| R109<br>R110                         | 1-216-817-11<br>1-216-817-11   | METAL CHIP 470<br>METAL CHIP 470   | 5%<br>5%                               | 1/10W<br>1/10W                            |   |  |  |                                      |
| R111                                 | 1-216-837-11   | METAL CHIP 22K   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R112                                 | 1-216-817-11   | METAL CHIP 470   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R113<br>R114                         | 1-216-817-11<br>1-216-839-11   | METAL CHIP 470<br>METAL CHIP 33K   | 5%<br>5%                               | 1/10W<br>1/10W                            |   |  |  |                                      |
| R115                                 | 1-216-817-11   | METAL CHIP 470   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R116                                 | 1-216-817-11   | METAL CHIP 470   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R117<br>R118                         | 1-216-843-11<br>1-216-809-11   | METAL CHIP 68K<br>METAL CHIP 100   | 5%<br>5%                               | 1/10W<br>1/10W                            |   |  |  |                                      |
| R119                                 | 1-216-815-11   | METAL CHIP 330   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R120                                 | 1-216-839-11   | METAL CHIP 33K   | 5%                                     | 1/10W                                     |   |  |  |                                      |
| R121<br>R122                         | 1-216-809-11<br>1-216-815-11   | METAL CHIP 100<br>METAL CHIP 330   | 5%<br>5%                               | 1/10W<br>1/10W                            |   |  |  |                                      |
| R123                                 | 1-216-864-11   | SHORT CHIP 0   | 370                                    | 1/1000                                    |   |  |  |                                      |
| R124<br>R125                         | 1-216-864-11<br>1-216-864-11   | SHORT CHIP 0<br>SHORT CHIP 0   |  |   |   |  |  |                                      |
| K125                                 | 1-210-004-11   | SHORT CHIP U   |  |   |   |  |  |                                      |
|                                      |  | < SWITCH >   |  |   |   |  |  |                                      |
| S101<br>******                       | 1-554-118-00<br>*******  | SWITCH, PUSH (1 KEY)   |  |   |   |  |  |                                      |
|                                      |  | VOL CONTROL BOARD  |  |   |   |  |  |                                      |
|                                      |  | < CONNECTOR>   |  |   |   |  |  |                                      |
| CNP104                               | 1-691-765-11   | PLUG (MICRO CONNEC   | CTOR) 3P                               |   |   |  |  |                                      |
|                                      |  | <resistor></resistor>  |  |   |   |  |  |                                      |
| R131                                 | 1-216-845-11   | METAL CHIP 100K  | 5%                                     | 1/10W                                     |   |  |  |                                      |
|                                      |  | < ROTARY ENCODER :   | >                                      |   |   |  |  |                                      |
| RV001<br>******                      | 1-227-861-11<br>*******  | POTENTIOMETER (SUI   |  |   |   |  |  |                                      |
|                                      |  | MISCELLANEOUS ********   |  |   |   |  |  |                                      |
| 101<br>103<br>103                    | 1-763-738-11<br>1-777-071-83<br>1-829-387-11                                 | DC FAN<br>CORD, POWER<br>CORD, POWER   | (EXC                                   | CEPT AR, TH)<br>(AR)                      |   |  |  |                                      |

### TA-KMSW500

### <u>MEMO</u>

### <u>MEMO</u>

#### **REVISION HISTORY**

Checking the version allows you to jump to the revised page. Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

| Ver. | Date    | Description of Revision  |  |  |  |
|------|---------|--|--|--|--|
| 1.0  | 2009.04 | New  |  |  |  |
| 1.1  | 2009.05 | Additional of HT-DDW8500 model.                                      |  |  |  |
| 1.2  | 2009.07 | Additional of Canadian, Thai and Saudi Arabia models.                |  |  |  |
| 1.3  | 2009.11 | Change P/N and description for C708, C709, C758, C759 in MAIN board. |  |  |  |
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